

Control pressure switch MDR 53



- Max. cut-out pressure 16 bar
- Ample wiring room
- High switching accuracy
- 1 SPDT
- Acc. to EN 60947
- UL / CSA-approval

| Order reference | Type Code | ON / OFF Rotary knob | Pressure range P _{OFF} in bar | Flange | Weight (in g) | Part No. |
|-----------------|-----------------------------------|----------------------|--|--------|---------------|----------|
| MDR 53/8 | MDR-53 EAA BAAA xxxA080 XAA XXX | - | 0,5 - 8 | 1/2" | 740 | 213079 |
| MDR 53/11 | MDR-53 GAA BAAA xxxA110 XAA XXX* | - | 6 - 11 | 1/2" | 780 | 216919 |
| MDR 53/16 | MDR-53 HAA BAAA xxxA160 XAA XXX | - | 6 - 16 | 1/2" | 780 | 213086 |
| MDR /25 SO3 | MDR-53 NAA BAAA xxxA030 XAA XXX** | - | bis 3 | 1/2" | 740 | 213130 |
| MDR /25 SO8 | MDR-53 OAA BAAA xxxA080 XAA XXX** | - | bis 8 | 1/2" | 740 | 213147 |

* xxx = Cut-out pressure is preset, cut-in pressure is the tightest possible pressure differential.

** xxx = Cut-out pressure is preset, cut-in pressure is the tightest possible pressure differential and pressure-resistant up to 25 bar, SO-Type.

A screw plug is also supplied.

Cable glands for retrofit assembly to be ordered separately, see accessories!

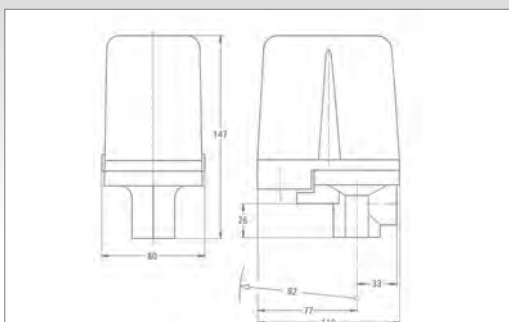
| Technical Data MDR 53 acc. to EN 60947 | |
|---|-----------------------|
| Rated insulation voltage U _i | 500 V |
| Rated insulation voltage U _e (AC 15) | 250 V |
| Rated insulation voltage I _e (AC 15) | 8 A |
| Rated insulation voltage I _e (max.) | 10 A |
| Electrical life (AC 15) Cycles | > 2 x 10 ⁵ |
| Mechanical life Cycles | > 2 x 10 ⁶ |
| Max. electrical cycles Cycles/h | 120 |
| Max. mechanical cycles Cycles/h | 1200 |
| Bursting strength P _z | > 40 bar |
| Protection acc. to EN 60529 | IP 54 |

| Technical Data MDR 53 acc. to EN 60947 | |
|---|--------------------------|
| Permissible medium temperature Air | - 30...+ 80 °C |
| Permissible medium temperature Water | + 80 °C |
| Conductor cross-section 1 .. flexible cable 1 x / 2 x | 2,5 / 2,5mm ² |
| Conductor cross-section 1 ... rigid cable 1 x / 2 x | 2,5 / 2,5mm ² |

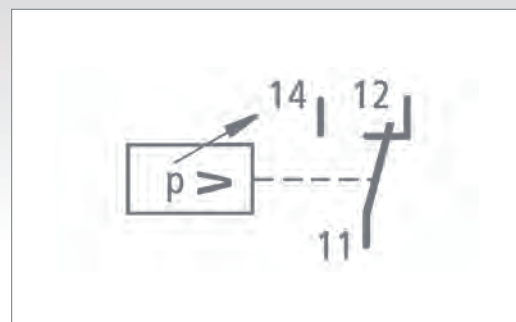
| Diaphragm media resistance MDR 53 | |
|--|------------|
| Acetylene, Butane, Natural gas, Petroleum, Vinegar 25 %, Glycerol, Carbon dioxide, Air, Propane, Sulphur dioxide, Silicon oil, Water, Distilled water, Hydrogen, Sea water | resistance |

A detailed overview of diaphragm media resistance for all pressure switches can be found on page 22.

Dimensions / Circuit Diagrams MDR 53



Pressure switch MDR-53



Control pressure switch MDR 53

Accessories MDR 53

| Order reference | Description | Weight (in g) | Part No. |
|---------------------|---|---------------|----------|
| Cable glands | | | |
| WN-M20 | Grommet | 6 | 269496 |
| VS-M20 | Screw plug M20 | | 269502 |
| M20 Z | With strain relief, clamping range 6-12 mm | 12 | 269533 |
| M20 ZK | With strain relief and cable support, clamping range 6-12 mm | 12 | 269540 |
| M20 L | With strain relief, clamping range 10-14 mm | 12 | 269519 |
| M20 LK | With strain relief and cable support, clamping range 10-14 mm | 12 | 269526 |
| MW 5 | Mounting bracket | 120 | 230045 |
| Cover | | | |
| H5 (Cover MDR 5) | Cover without On/Off push-buttons | 130 | 230052 |

Cable glands MDR 53



Accessories, Wall-mounting bracket / Cover MDR 53



Pressure Diagrams MDR 53

